

WHAT IS CLAIMED IS:

1. A scheduling controller, comprising:

request receiving means for receiving a plurality of
processing requests;

start time calculating means for calculating, according to a
number of processing requests received by the request receiving
means and types thereof, a scheduling start time relative to a
scheduling end time predetermined; and

scheduling means for scheduling processing requests
received by the request receiving means from the scheduling start
time calculated by the start time calculating means to the scheduling
end time.

2. A scheduling controller, comprising:

request receiving means for receiving processing requests
from a plurality of terminal stations, each of the processing request
being a transmission band pass request and including a
transmission request and a data length thereof;

start time calculating means for calculating, according to
the processing requests received by the request receiving means, a
scheduling start time relative to a scheduling end time
predetermined;

scheduling means for allocating processing requests,
received by the request receiving means from the scheduling start
time calculated by the start time calculating means to the scheduling
end time, to time slots in a frame; and

reporting means for reporting information of time slot
allocation by the scheduling means to the terminal stations.

3. A scheduling controller in accordance with claim 1 or 2,

further including storage means for storing the scheduling end time predetermined, wherein

the start time calculating means calculates, according to
 5 the processing requests received by the request receiving means, a scheduling start time relative to the scheduling end time stored in the storage means.

4. A scheduling controller in accordance with claim 1, ~~2, or 3~~, further including processing time storage means for storing scheduling time beforehand determined for each of the processing requests, wherein

5 the start time calculating means calculates total time of scheduling time according to scheduling time corresponding to each processing request type stored in the processing time storage means and calculates, according to the processing requests received by the request receiving means, a scheduling start time relative to the
 10 scheduling processing end time.

5. A scheduling method, comprising the steps of:
 receiving a plurality of processing requests;
 calculating, according to a number of processing requests received by the request receiving step and types thereof, a
 5 scheduling start time relative to a scheduling end time predetermined; and

scheduling processing requests received by the request receiving step from the scheduling start time calculated by the start time calculating step to the scheduling end time.

6. A scheduling method, comprising the steps of:
 receiving processing requests from a plurality of terminal

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5 thereof;

scheduling end time predetermined;

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scheduling step to the terminal stations.

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